

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

1. (Currently amended) Apparatus to determine prices of products produced by weight comprising:

~~a camera for detecting and identifying a product by type~~ one or more cameras for generating a digitized image of a product;

~~means for identifying the product by type based on a digitized image;~~

~~means for determining a volume of the product based on~~ the digitized image on imaged information from the camera;

~~means for determining a density of the product from~~ a database of lookup tables which include density information for ~~of densities of a plurality of products; and~~

~~a computer terminal which receives product type and volume of the product information and accesses the database to determine a density for the product, the computer terminal computing computes a weight of the product as a function of volume and density of the product and then computing a price of the product as a function of price/weight ratio.~~

2. (Original) The apparatus recited in claim 1, wherein the apparatus is part of a checkout station is a retail store.

3. (Currently amended) The apparatus recited in claim 2, further comprising a display connected to the computer terminal which displays the calculated price of the product.

4. (Currently amended) The apparatus recited in claim 3, wherein the computer terminal generates a running total of prices for a plurality of products as part of a single transaction and displays a ~~the~~ running total on the display.

5. (Currently amended) The apparatus recited in claim ~~4~~ 3, further comprising a printer connected to the computer terminal which prints the running total.

6. (Currently amended) The apparatus recited in claim 1, wherein the computer terminal categorizes further comprises means for categorizing the product within one of a plurality of weight ranges, the price of the product being a function of the weight ranges.

7. (Currently amended) A method of determining a product weight and calculating price comprising the steps of:

detecting a product generating a digitized image of the product with a camera;
identifying the product by type using the digitized image;
determining a volume of the product from an the digitized image of the product;
accessing a database of densities of a plurality of products and determining a density for the product type detected and identified product in the identifying step;
calculating a weight of the product as a function of volume and density of the product;
and
calculating a price of the product as a function of the a calculated weight and a price/weight ratio.

8. (Original) The method recited in claim 7, further comprising the step of displaying the calculated price of the product.

9. (Original) The method recited in claim 8, further comprising the step of generating a running total of prices for a plurality of products as part of a single transaction.

10. (Original) The method recited in claim 9, further comprising the step of printing the running total upon completing of the transaction.

11. (Original) The method recited in claim 7, further comprising the step of categorizing the product within one of a plurality of weight ranges, the price of the product being a function of the weight ranges.